

FIG. 1 (Prior Art)

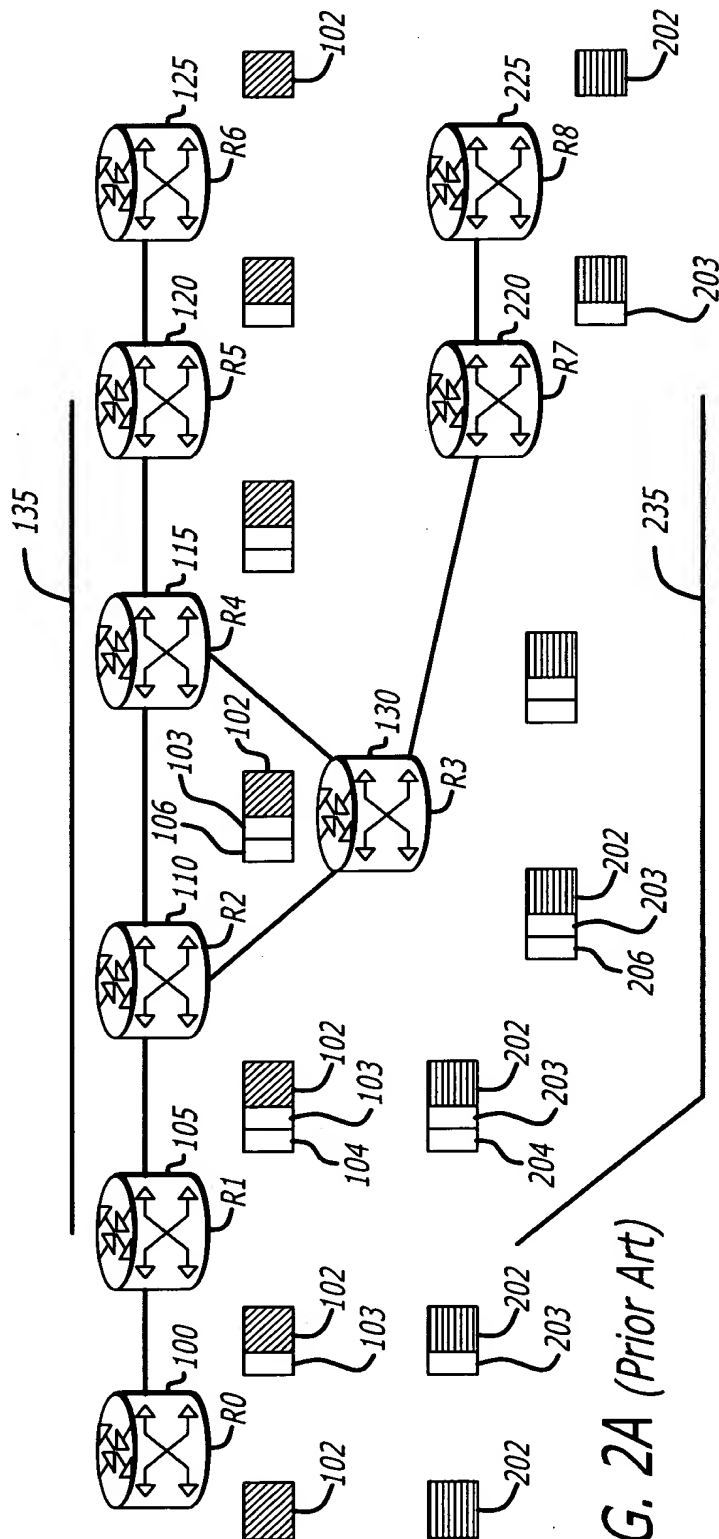
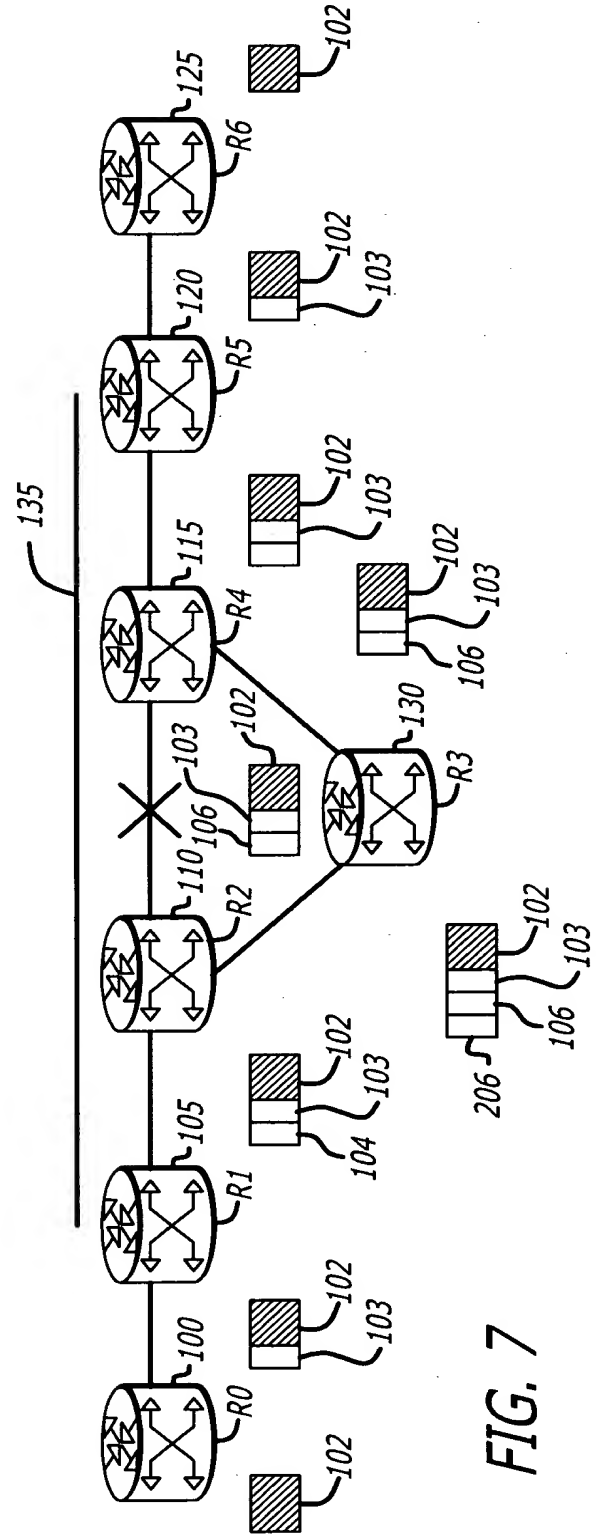
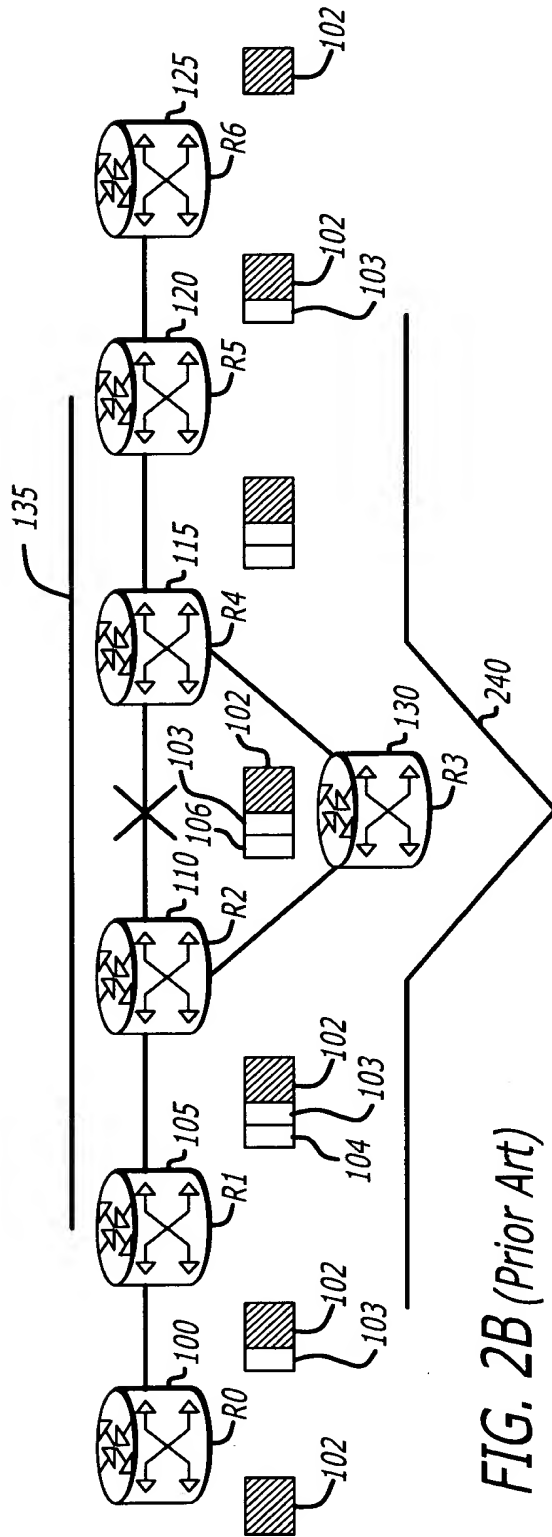


FIG. 2A (Prior Art)



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305 ATM id	310 VC Label	315 Tunnel Label	320 Interface
10/100	100	20 -> 40	1 -> 3
20/200	200	20 -> 40	1 -> 3
30/300	300	30	2
40/400	400	20 -> 40	1 -> 3

FIG. 3
(Prior Art)

405 ATM id	410 VC Label	415 Group id
10/100	100	1
20/200	200	1
30/300	300	2
40/400	400	1

FIG. 4

520 Group id	525 Tunnel Label	530 Interface
1	20 -> 40	1 -> 3
2	30	3
3	40	2
4	50	5

FIG. 5

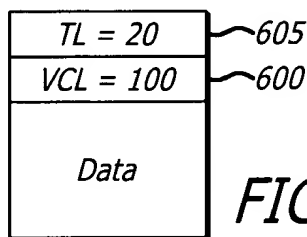


FIG. 6A

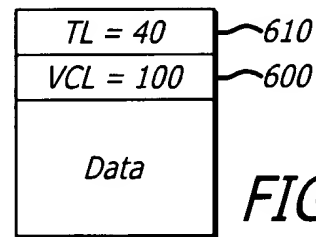


FIG. 6B

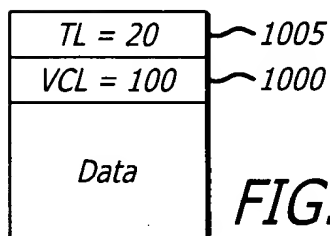


FIG. 10A

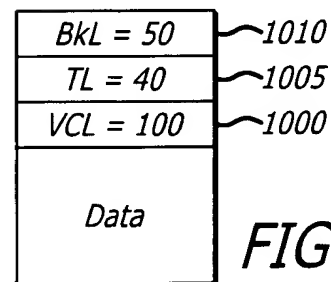


FIG. 10B

520	525	530	835	840	845
<i>Group id</i>	<i>Tunnel Label</i>	<i>Original Interface</i>	<i>Backup Label Enable</i>	<i>Backup Label</i>	<i>New Interface</i>
1	20 -> 40	1 -> 3	NO	1	2
2	30	3	NO	1	3
3	40	2	NO	2	4
4	50	5	NO	1	4

FIG. 8

520	525	530	835	840	845
<i>Group id</i>	<i>Tunnel Label</i>	<i>Original Interface</i>	<i>Backup Label Enable</i>	<i>Backup Label</i>	<i>New Interface</i>
1	20	1	YES	50	2
2	30	3	NO	60	3
3	40	2	NO	70	4
4	50	5	NO	80	4

FIG. 9

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